Setting environment for using XAMPP for Windows.

726246@128-IMAC10 c:\xampp

# mysql -u root -p

Enter password:

Welcome to the MariaDB monitor. Commands end with ; or \g.

Your MariaDB connection id is 2

Server version: 10.1.21-MariaDB mariadb.org binary distribution

Copyright (c) 2000, 2016, Oracle, MariaDB Corporation Ab and others.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

MariaDB [(none)]> show databases;

+--------------------+

| Database |

+--------------------+

| information\_schema |

| mysql |

| performance\_schema |

| phpmyadmin |

| test |

+--------------------+

5 rows in set (0.06 sec)

MariaDB [(none)]> create database constraint;

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near 'constraint' at line 1

MariaDB [(none)]> create database constrain;

Query OK, 1 row affected (0.00 sec)

MariaDB [(none)]> create table CityMaster(

-> CityID int(4) primary key,

-> cityName varchar(255) default 'toronto'

-> );

ERROR 1046 (3D000): No database selected

MariaDB [(none)]> use constrain;

Database changed

MariaDB [constrain]> create table CityMaster(

-> CityID int(4) primary key,

-> cityName varchar(255) default 'toronto'

-> );

Query OK, 0 rows affected (0.39 sec)

MariaDB [constrain]> create table persons(

-> ID int(3),

-> LastName varchar(255) NOT NULL,

-> FirstName varchar255),

-> Age int(3),

-> cityID int(4),

-> constraint pk\_persons primary key(ID),

-> constraint ck\_persons check(age>=18),

-> constraint fk\_persons foreign key(CityID),

-> references CityMaster(CityID)

-> );

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near 'varchar255),

Age int(3),

cityID int(4),

constraint pk\_persons primary key(ID),

c' at line 4

MariaDB [constrain]> create table persons(

-> ID int(3),

-> LastName varchar(255) NOT NULL,

-> FirstName varchar(255),

-> Age int(3),

-> cityID int(4),

-> constraint pk\_persons primary key(ID),

-> constraint ck\_persons check(age>=18),

-> constraint fk\_persons foreign key(CityID),

-> references CityMaster(CityID)

-> );

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near '

references CityMaster(CityID)

)' at line 9

MariaDB [constrain]> create table persons(

-> ID int(3),

-> LastName varchar(255) NOT NULL,

-> FirstName varchar255),

-> Age int(3),

-> cityID int(4),

-> constraint pk\_persons primary key(ID),

-> constraint ck\_persons check(age>=18),

-> constraint fk\_persons foreign key(CityID)

-> references CityMaster(CityID)

-> );

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near 'varchar255),

Age int(3),

cityID int(4),

constraint pk\_persons primary key(ID),

c' at line 4

MariaDB [constrain]> create table persons(

-> ID int(3),

-> LastName varchar(255) NOT NULL,

-> FirstName varchar(255),

-> Age int(3),

-> cityID int(4),

-> constraint pk\_persons primary key(ID),

-> constraint ck\_persons check(age>=18),

-> constraint fk\_persons foreign key(CityID)

-> references CityMaster(CityID)

-> );

Query OK, 0 rows affected (0.37 sec)

MariaDB [constrain]> show index from customers;

ERROR 1146 (42S02): Table 'constrain.customers' doesn't exist

MariaDB [constrain]> show index from constrain;

ERROR 1146 (42S02): Table 'constrain.constrain' doesn't exist

MariaDB [constrain]> show index from persons;

+---------+------------+------------+--------------+-------------+-----------+-------------+----------+--------+------+------------+---------+---------------+

| Table | Non\_unique | Key\_name | Seq\_in\_index | Column\_name | Collation | Cardinality | Sub\_part | Packed | Null | Index\_type | Comment | Index\_comment |

+---------+------------+------------+--------------+-------------+-----------+-------------+----------+--------+------+------------+---------+---------------+

| persons | 0 | PRIMARY | 1 | ID | A | 0 | NULL | NULL | | BTREE | | |

| persons | 1 | fk\_persons | 1 | cityID | A | 0 | NULL | NULL | YES | BTREE | | |

+---------+------------+------------+--------------+-------------+-----------+-------------+----------+--------+------+------------+---------+---------------+

2 rows in set (0.00 sec)

MariaDB [constrain]> show index from citymaster;

+------------+------------+----------+--------------+-------------+-----------+-------------+----------+--------+------+------------+---------+---------------+

| Table | Non\_unique | Key\_name | Seq\_in\_index | Column\_name | Collation | Cardinality | Sub\_part | Packed | Null | Index\_type | Comment | Index\_comment |

+------------+------------+----------+--------------+-------------+-----------+-------------+----------+--------+------+------------+---------+---------------+

| citymaster | 0 | PRIMARY | 1 | CityID | A | 0 | NULL | NULL | | BTREE | | |

+------------+------------+----------+--------------+-------------+-----------+-------------+----------+--------+------+------------+---------+---------------+

1 row in set (0.00 sec)

MariaDB [constrain]> create table c1 AS select from persons;

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near 'from persons' at line 1

MariaDB [constrain]> create table c1 AS select \* from persons;

Query OK, 0 rows affected (0.76 sec)

Records: 0 Duplicates: 0 Warnings: 0

MariaDB [constrain]> desc persons;

+-----------+--------------+------+-----+---------+-------+

| Field | Type | Null | Key | Default | Extra |

+-----------+--------------+------+-----+---------+-------+

| ID | int(3) | NO | PRI | NULL | |

| LastName | varchar(255) | NO | | NULL | |

| FirstName | varchar(255) | YES | | NULL | |

| Age | int(3) | YES | | NULL | |

| cityID | int(4) | YES | MUL | NULL | |

+-----------+--------------+------+-----+---------+-------+

5 rows in set (0.01 sec)

MariaDB [constrain]> select \* from persons;

Empty set (0.00 sec)

MariaDB [constrain]> desc c1;

+-----------+--------------+------+-----+---------+-------+

| Field | Type | Null | Key | Default | Extra |

+-----------+--------------+------+-----+---------+-------+

| ID | int(3) | NO | | NULL | |

| LastName | varchar(255) | NO | | NULL | |

| FirstName | varchar(255) | YES | | NULL | |

| Age | int(3) | YES | | NULL | |

| cityID | int(4) | YES | | NULL | |

+-----------+--------------+------+-----+---------+-------+

5 rows in set (0.00 sec)

MariaDB [constrain]>

MariaDB [constrain]> create table c2 like persons;

Query OK, 0 rows affected (0.29 sec)

MariaDB [constrain]> desc persons;

+-----------+--------------+------+-----+---------+-------+

| Field | Type | Null | Key | Default | Extra |

+-----------+--------------+------+-----+---------+-------+

| ID | int(3) | NO | PRI | NULL | |

| LastName | varchar(255) | NO | | NULL | |

| FirstName | varchar(255) | YES | | NULL | |

| Age | int(3) | YES | | NULL | |

| cityID | int(4) | YES | MUL | NULL | |

+-----------+--------------+------+-----+---------+-------+

5 rows in set (0.00 sec)

MariaDB [constrain]> desc c2;

+-----------+--------------+------+-----+---------+-------+

| Field | Type | Null | Key | Default | Extra |

+-----------+--------------+------+-----+---------+-------+

| ID | int(3) | NO | PRI | NULL | |

| LastName | varchar(255) | NO | | NULL | |

| FirstName | varchar(255) | YES | | NULL | |

| Age | int(3) | YES | | NULL | |

| cityID | int(4) | YES | MUL | NULL | |

+-----------+--------------+------+-----+---------+-------+

5 rows in set (0.00 sec)

MariaDB [constrain]> desc citymaster;

+----------+--------------+------+-----+---------+-------+

| Field | Type | Null | Key | Default | Extra |

+----------+--------------+------+-----+---------+-------+

| CityID | int(4) | NO | PRI | NULL | |

| cityName | varchar(255) | YES | | toronto | |

+----------+--------------+------+-----+---------+-------+

2 rows in set (0.00 sec)

MariaDB [constrain]> insert into citymaster values(

-> ;

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near '' at line 1

MariaDB [constrain]> insert into citymaster values(

-> ;

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near '' at line 1

MariaDB [constrain]> insert into citymaster values(1, 'TORONTO');

Query OK, 1 row affected (0.05 sec)

MariaDB [constrain]> insert into citymaster values(2, 'New York');

Query OK, 1 row affected (0.06 sec)

MariaDB [constrain]> insert into persons values(1, 'verma', 'Sonal', 23, 1);

Query OK, 1 row affected (0.05 sec)

MariaDB [constrain]> insert into persons values(2, 'Macwan', 'Priya', 30, 2);

Query OK, 1 row affected (0.03 sec)

MariaDB [constrain]> INSERT INTO persons SELECT cityID FROM citymaster where cityname = 'New';

ERROR 1136 (21S01): Column count doesn't match value count at row 1

MariaDB [constrain]> INSERT INTO persons SELECT cityID FROM citymaster where cityID = 1;

ERROR 1136 (21S01): Column count doesn't match value count at row 1

MariaDB [constrain]> select\*from citymaster

-> ;

+--------+----------+

| CityID | cityName |

+--------+----------+

| 1 | TORONTO |

| 2 | New York |

+--------+----------+

2 rows in set (0.00 sec)

MariaDB [constrain]> select\*from persons;

+----+----------+-----------+------+--------+

| ID | LastName | FirstName | Age | cityID |

+----+----------+-----------+------+--------+

| 1 | verma | Sonal | 23 | 1 |

| 2 | Macwan | Priya | 30 | 2 |

+----+----------+-----------+------+--------+

2 rows in set (0.00 sec)

MariaDB [constrain]> INSERT INTO persons SELECT cityID FROM citymaster where cityID = 1;

ERROR 1136 (21S01): Column count doesn't match value count at row 1

MariaDB [constrain]> INSERT INTO persons SELECT cityID FROM citymaster where cityID<2;

ERROR 1136 (21S01): Column count doesn't match value count at row 1

MariaDB [constrain]> INSERT INTO persons (cityID) SELECT cityID FROM citymaster where cityID<2;

Query OK, 1 row affected, 2 warnings (0.04 sec)

Records: 1 Duplicates: 0 Warnings: 2

MariaDB [constrain]> select\*from persons;

+----+----------+-----------+------+--------+

| ID | LastName | FirstName | Age | cityID |

+----+----------+-----------+------+--------+

| 0 | | NULL | NULL | 1 |

| 1 | verma | Sonal | 23 | 1 |

| 2 | Macwan | Priya | 30 | 2 |

+----+----------+-----------+------+--------+

3 rows in set (0.00 sec)

MariaDB [constrain]> INSERT INTO persons (cityID) SELECT cityID FROM citymaster where cityID = 1;

ERROR 1062 (23000): Duplicate entry '0' for key 'PRIMARY'

MariaDB [constrain]> INSERT INTO persons (cityID) SELECT cityID FROM citymaster where cityID = 2;

ERROR 1062 (23000): Duplicate entry '0' for key 'PRIMARY'

MariaDB [constrain]> INSERT INTO persons (cityID) SELECT cityID FROM citymaster where cityID <2;

ERROR 1062 (23000): Duplicate entry '0' for key 'PRIMARY'

MariaDB [constrain]> select\*from persons;

+----+----------+-----------+------+--------+

| ID | LastName | FirstName | Age | cityID |

+----+----------+-----------+------+--------+

| 0 | | NULL | NULL | 1 |

| 1 | verma | Sonal | 23 | 1 |

| 2 | Macwan | Priya | 30 | 2 |

+----+----------+-----------+------+--------+

3 rows in set (0.00 sec)

MariaDB [constrain]> INSERT INTO c2 SELECT \* FROM citymaster where cityname = 'New york';

ERROR 1136 (21S01): Column count doesn't match value count at row 1

MariaDB [constrain]> INSERT INTO c2 SELECT \* FROM persons where cityID = 2;

Query OK, 1 row affected (0.04 sec)

Records: 1 Duplicates: 0 Warnings: 0

MariaDB [constrain]> select\*from persons;

+----+----------+-----------+------+--------+

| ID | LastName | FirstName | Age | cityID |

+----+----------+-----------+------+--------+

| 0 | | NULL | NULL | 1 |

| 1 | verma | Sonal | 23 | 1 |

| 2 | Macwan | Priya | 30 | 2 |

+----+----------+-----------+------+--------+

3 rows in set (0.00 sec)

MariaDB [constrain]> select\*from c2;

+----+----------+-----------+------+--------+

| ID | LastName | FirstName | Age | cityID |

+----+----------+-----------+------+--------+

| 2 | Macwan | Priya | 30 | 2 |

+----+----------+-----------+------+--------+

1 row in set (0.00 sec)

MariaDB [constrain]> INSERT INTO c2 SELECT \* FROM persons where AGE = 23;

Query OK, 1 row affected (0.05 sec)

Records: 1 Duplicates: 0 Warnings: 0

MariaDB [constrain]> select\*from c2;

+----+----------+-----------+------+--------+

| ID | LastName | FirstName | Age | cityID |

+----+----------+-----------+------+--------+

| 1 | verma | Sonal | 23 | 1 |

| 2 | Macwan | Priya | 30 | 2 |

+----+----------+-----------+------+--------+

2 rows in set (0.00 sec)

MariaDB [constrain]> desc persons;

+-----------+--------------+------+-----+---------+-------+

| Field | Type | Null | Key | Default | Extra |

+-----------+--------------+------+-----+---------+-------+

| ID | int(3) | NO | PRI | NULL | |

| LastName | varchar(255) | NO | | NULL | |

| FirstName | varchar(255) | YES | | NULL | |

| Age | int(3) | YES | | NULL | |

| cityID | int(4) | YES | MUL | NULL | |

+-----------+--------------+------+-----+---------+-------+

5 rows in set (0.00 sec)

MariaDB [constrain]> show index from persons;

+---------+------------+------------+--------------+-------------+-----------+-------------+----------+--------+------+------------+---------+---------------+

| Table | Non\_unique | Key\_name | Seq\_in\_index | Column\_name | Collation | Cardinality | Sub\_part | Packed | Null | Index\_type | Comment | Index\_comment |

+---------+------------+------------+--------------+-------------+-----------+-------------+----------+--------+------+------------+---------+---------------+

| persons | 0 | PRIMARY | 1 | ID | A | 3 | NULL | NULL | | BTREE | | |

| persons | 1 | fk\_persons | 1 | cityID | A | 3 | NULL | NULL | YES | BTREE | | |

+---------+------------+------------+--------------+-------------+-----------+-------------+----------+--------+------+------------+---------+---------------+

2 rows in set (0.00 sec)

MariaDB [constrain]> insert into persons values(3,'parmar','lizza', 16, 3);

ERROR 1452 (23000): Cannot add or update a child row: a foreign key constraint fails (`constrain`.`persons`, CONSTRAINT `fk\_persons` FOREIGN KEY (`cityID`) REFERENCES `citymaster` (`CityID`))

MariaDB [constrain]> insert into persons values(3,'parmar','lizza', 25, 3);

ERROR 1452 (23000): Cannot add or update a child row: a foreign key constraint fails (`constrain`.`persons`, CONSTRAINT `fk\_persons` FOREIGN KEY (`cityID`) REFERENCES `citymaster` (`CityID`))

MariaDB [constrain]> insert into persons values(3,'parmar','lizza', 15, 1);

Query OK, 1 row affected (0.05 sec)

MariaDB [constrain]> insert into persons values(4,'BEn','Anken', 25, 2);

Query OK, 1 row affected (0.05 sec)

MariaDB [constrain]> select\*from persons;

+----+----------+-----------+------+--------+

| ID | LastName | FirstName | Age | cityID |

+----+----------+-----------+------+--------+

| 0 | | NULL | NULL | 1 |

| 1 | verma | Sonal | 23 | 1 |

| 2 | Macwan | Priya | 30 | 2 |

| 3 | parmar | lizza | 15 | 1 |

| 4 | BEn | Anken | 25 | 2 |

+----+----------+-----------+------+--------+

5 rows in set (0.00 sec)

MariaDB [constrain]> INSERT INTO c2 SELECT \* FROM persons where age<20;

Query OK, 1 row affected (0.06 sec)

Records: 1 Duplicates: 0 Warnings: 0

MariaDB [constrain]> select\*from persons;

+----+----------+-----------+------+--------+

| ID | LastName | FirstName | Age | cityID |

+----+----------+-----------+------+--------+

| 0 | | NULL | NULL | 1 |

| 1 | verma | Sonal | 23 | 1 |

| 2 | Macwan | Priya | 30 | 2 |

| 3 | parmar | lizza | 15 | 1 |

| 4 | BEn | Anken | 25 | 2 |

+----+----------+-----------+------+--------+

5 rows in set (0.00 sec)

MariaDB [constrain]> select\*from c2;

+----+----------+-----------+------+--------+

| ID | LastName | FirstName | Age | cityID |

+----+----------+-----------+------+--------+

| 1 | verma | Sonal | 23 | 1 |

| 2 | Macwan | Priya | 30 | 2 |

| 3 | parmar | lizza | 15 | 1 |

+----+----------+-----------+------+--------+

3 rows in set (0.00 sec)

MariaDB [constrain]> INSERT INTO c2 SELECT \* FROM persons where age<18;

ERROR 1062 (23000): Duplicate entry '3' for key 'PRIMARY'

MariaDB [constrain]> INSERT INTO c2 SELECT \* FROM persons where age>18;

ERROR 1062 (23000): Duplicate entry '1' for key 'PRIMARY'

MariaDB [constrain]> select version();

+-----------------+

| version() |

+-----------------+

| 10.1.21-MariaDB |

+-----------------+

1 row in set (0.00 sec)

MariaDB [constrain]> select database();

+------------+

| database() |

+------------+

| constrain |

+------------+

1 row in set (0.00 sec)

MariaDB [constrain]> alter table citymaster add column

-> country varchar(50);

Query OK, 0 rows affected (0.47 sec)

Records: 0 Duplicates: 0 Warnings: 0

MariaDB [constrain]> desc citymaster;

+----------+--------------+------+-----+---------+-------+

| Field | Type | Null | Key | Default | Extra |

+----------+--------------+------+-----+---------+-------+

| CityID | int(4) | NO | PRI | NULL | |

| cityName | varchar(255) | YES | | toronto | |

| country | varchar(50) | YES | | NULL | |

+----------+--------------+------+-----+---------+-------+

3 rows in set (0.00 sec)

MariaDB [constrain]> alter table citymaster add column

-> test1;

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near '' at line 2

MariaDB [constrain]> alter table citymaster modify column country varchar(20);

Query OK, 2 rows affected (0.70 sec)

Records: 2 Duplicates: 0 Warnings: 0

MariaDB [constrain]> desc citymaster;

+----------+--------------+------+-----+---------+-------+

| Field | Type | Null | Key | Default | Extra |

+----------+--------------+------+-----+---------+-------+

| CityID | int(4) | NO | PRI | NULL | |

| cityName | varchar(255) | YES | | toronto | |

| country | varchar(20) | YES | | NULL | |

+----------+--------------+------+-----+---------+-------+

3 rows in set (0.00 sec)

MariaDB [constrain]> alter table citymaster change column country place varchar(20);

Query OK, 0 rows affected (0.06 sec)

Records: 0 Duplicates: 0 Warnings: 0

MariaDB [constrain]> desc citymaster;

+----------+--------------+------+-----+---------+-------+

| Field | Type | Null | Key | Default | Extra |

+----------+--------------+------+-----+---------+-------+

| CityID | int(4) | NO | PRI | NULL | |

| cityName | varchar(255) | YES | | toronto | |

| place | varchar(20) | YES | | NULL | |

+----------+--------------+------+-----+---------+-------+

3 rows in set (0.00 sec)

MariaDB [constrain]> alter table citymaster drop column place;

Query OK, 0 rows affected (0.39 sec)

Records: 0 Duplicates: 0 Warnings: 0

MariaDB [constrain]> desc citymaster;

+----------+--------------+------+-----+---------+-------+

| Field | Type | Null | Key | Default | Extra |

+----------+--------------+------+-----+---------+-------+

| CityID | int(4) | NO | PRI | NULL | |

| cityName | varchar(255) | YES | | toronto | |

+----------+--------------+------+-----+---------+-------+

2 rows in set (0.00 sec)

MariaDB [constrain]> create table test as select \* from citymaster;

Query OK, 2 rows affected (0.33 sec)

Records: 2 Duplicates: 0 Warnings: 0

MariaDB [constrain]> desc test;

+----------+--------------+------+-----+---------+-------+

| Field | Type | Null | Key | Default | Extra |

+----------+--------------+------+-----+---------+-------+

| CityID | int(4) | NO | | NULL | |

| cityName | varchar(255) | YES | | toronto | |

+----------+--------------+------+-----+---------+-------+

2 rows in set (0.00 sec)

MariaDB [constrain]> alter table test add pimary key(cityID);

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near 'key(cityID)' at line 1

MariaDB [constrain]> alter table test add primary key(cityID);

Query OK, 0 rows affected (0.45 sec)

Records: 0 Duplicates: 0 Warnings: 0

MariaDB [constrain]> desc test;

+----------+--------------+------+-----+---------+-------+

| Field | Type | Null | Key | Default | Extra |

+----------+--------------+------+-----+---------+-------+

| CityID | int(4) | NO | PRI | NULL | |

| cityName | varchar(255) | YES | | toronto | |

+----------+--------------+------+-----+---------+-------+

2 rows in set (0.00 sec)

MariaDB [constrain]> alter table test add constraint unique (cityName);

Query OK, 0 rows affected (1.84 sec)

Records: 0 Duplicates: 0 Warnings: 0

MariaDB [constrain]> desc test;

+----------+--------------+------+-----+---------+-------+

| Field | Type | Null | Key | Default | Extra |

+----------+--------------+------+-----+---------+-------+

| CityID | int(4) | NO | PRI | NULL | |

| cityName | varchar(255) | YES | UNI | toronto | |

+----------+--------------+------+-----+---------+-------+

2 rows in set (0.00 sec)

MariaDB [constrain]> alter table test modify cityNAme varchar(40) NOT NULL;

Query OK, 2 rows affected (1.32 sec)

Records: 2 Duplicates: 0 Warnings: 0

MariaDB [constrain]> desc test;

+----------+-------------+------+-----+---------+-------+

| Field | Type | Null | Key | Default | Extra |

+----------+-------------+------+-----+---------+-------+

| CityID | int(4) | NO | PRI | NULL | |

| cityNAme | varchar(40) | NO | UNI | NULL | |

+----------+-------------+------+-----+---------+-------+

2 rows in set (0.02 sec)

MariaDB [constrain]> alter table test drop index cityID;

ERROR 1091 (42000): Can't DROP 'cityID'; check that column/key exists

MariaDB [constrain]> alter table test drop index cityName;

Query OK, 0 rows affected (0.17 sec)

Records: 0 Duplicates: 0 Warnings: 0

MariaDB [constrain]> desc test;

+----------+-------------+------+-----+---------+-------+

| Field | Type | Null | Key | Default | Extra |

+----------+-------------+------+-----+---------+-------+

| CityID | int(4) | NO | PRI | NULL | |

| cityNAme | varchar(40) | NO | | NULL | |

+----------+-------------+------+-----+---------+-------+

2 rows in set (0.03 sec)

MariaDB [constrain]> show index from test;

+-------+------------+----------+--------------+-------------+-----------+-------------+----------+--------+------+------------+---------+---------------+

| Table | Non\_unique | Key\_name | Seq\_in\_index | Column\_name | Collation | Cardinality | Sub\_part | Packed | Null | Index\_type | Comment | Index\_comment |

+-------+------------+----------+--------------+-------------+-----------+-------------+----------+--------+------+------------+---------+---------------+

| test | 0 | PRIMARY | 1 | CityID | A | 2 | NULL | NULL | | BTREE | | |

+-------+------------+----------+--------------+-------------+-----------+-------------+----------+--------+------+------------+---------+---------------+

1 row in set (0.00 sec)

MariaDB [constrain]> alter table test primary key;

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near 'primary key' at line 1

MariaDB [constrain]> alter table test drop primary key;

Query OK, 2 rows affected (6.37 sec)

Records: 2 Duplicates: 0 Warnings: 0

MariaDB [constrain]> desc test;

+----------+-------------+------+-----+---------+-------+

| Field | Type | Null | Key | Default | Extra |

+----------+-------------+------+-----+---------+-------+

| CityID | int(4) | NO | | NULL | |

| cityNAme | varchar(40) | NO | | NULL | |

+----------+-------------+------+-----+---------+-------+

2 rows in set (0.08 sec)

MariaDB [constrain]> desc citymaster;

+----------+--------------+------+-----+---------+-------+

| Field | Type | Null | Key | Default | Extra |

+----------+--------------+------+-----+---------+-------+

| CityID | int(4) | NO | PRI | NULL | |

| cityName | varchar(255) | YES | | toronto | |

+----------+--------------+------+-----+---------+-------+

2 rows in set (0.02 sec)

MariaDB [constrain]> update citymaster set cityname = 'vancouver' where cityID = 2;

Query OK, 1 row affected (0.08 sec)

Rows matched: 1 Changed: 1 Warnings: 0

MariaDB [constrain]> desc citymaster;

+----------+--------------+------+-----+---------+-------+

| Field | Type | Null | Key | Default | Extra |

+----------+--------------+------+-----+---------+-------+

| CityID | int(4) | NO | PRI | NULL | |

| cityName | varchar(255) | YES | | toronto | |

+----------+--------------+------+-----+---------+-------+

2 rows in set (0.00 sec)

MariaDB [constrain]> select

-> \*from citymaster;

+--------+-----------+

| CityID | cityName |

+--------+-----------+

| 1 | TORONTO |

| 2 | vancouver |

+--------+-----------+

2 rows in set (0.00 sec)

MariaDB [constrain]> update citymaster set cityname = 'London';

Query OK, 2 rows affected (0.05 sec)

Rows matched: 2 Changed: 2 Warnings: 0

MariaDB [constrain]> select \* from citymaster;

+--------+----------+

| CityID | cityName |

+--------+----------+

| 1 | London |

| 2 | London |

+--------+----------+

2 rows in set (0.00 sec)

MariaDB [constrain]> delete from citymaster where cityid = 2;

ERROR 1451 (23000): Cannot delete or update a parent row: a foreign key constraint fails (`constrain`.`persons`, CONSTRAINT `fk\_persons` FOREIGN KEY (`cityID`) REFERENCES `citymaster` (`CityID`))

MariaDB [constrain]> select \* from persons;

+----+----------+-----------+------+--------+

| ID | LastName | FirstName | Age | cityID |

+----+----------+-----------+------+--------+

| 0 | | NULL | NULL | 1 |

| 1 | verma | Sonal | 23 | 1 |

| 2 | Macwan | Priya | 30 | 2 |

| 3 | parmar | lizza | 15 | 1 |

| 4 | BEn | Anken | 25 | 2 |

+----+----------+-----------+------+--------+

5 rows in set (0.00 sec)

MariaDB [constrain]> delete \* from persons;

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near '\* from persons' at line 1

MariaDB [constrain]> delete\*from persons;

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near '\*from persons' at line 1

MariaDB [constrain]> select \* from persons;

+----+----------+-----------+------+--------+

| ID | LastName | FirstName | Age | cityID |

+----+----------+-----------+------+--------+

| 0 | | NULL | NULL | 1 |

| 1 | verma | Sonal | 23 | 1 |

| 2 | Macwan | Priya | 30 | 2 |

| 3 | parmar | lizza | 15 | 1 |

| 4 | BEn | Anken | 25 | 2 |

+----+----------+-----------+------+--------+

5 rows in set (0.00 sec)

MariaDB [constrain]> select \* from citymaster;

+--------+----------+

| CityID | cityName |

+--------+----------+

| 1 | London |

| 2 | London |

+--------+----------+

2 rows in set (0.00 sec)

MariaDB [constrain]> delete from citymaster where cityname = 'TORONTO';

Query OK, 0 rows affected (0.00 sec)

MariaDB [constrain]> select \* from citymaster;

+--------+----------+

| CityID | cityName |

+--------+----------+

| 1 | London |

| 2 | London |

+--------+----------+

2 rows in set (0.00 sec)

MariaDB [constrain]> delete from citymaster where cityname = 'LONDOn';

ERROR 1451 (23000): Cannot delete or update a parent row: a foreign key constraint fails (`constrain`.`persons`, CONSTRAINT `fk\_persons` FOREIGN KEY (`cityID`) REFERENCES `citymaster` (`CityID`))

MariaDB [constrain]> delete from persons where cityid = 2;

Query OK, 2 rows affected (0.05 sec)

MariaDB [constrain]> select \* from persons;

+----+----------+-----------+------+--------+

| ID | LastName | FirstName | Age | cityID |

+----+----------+-----------+------+--------+

| 0 | | NULL | NULL | 1 |

| 1 | verma | Sonal | 23 | 1 |

| 3 | parmar | lizza | 15 | 1 |

+----+----------+-----------+------+--------+

3 rows in set (0.00 sec)

MariaDB [constrain]> delete from citymaster where cityid = 2;

Query OK, 1 row affected (0.03 sec)

MariaDB [constrain]> select \* from citymaster;

+--------+----------+

| CityID | cityName |

+--------+----------+

| 1 | London |

+--------+----------+

1 row in set (0.00 sec)

MariaDB [constrain]> drop table test;

Query OK, 0 rows affected (0.13 sec)

MariaDB [constrain]> desc test;

ERROR 1146 (42S02): Table 'constrain.test' doesn't exist

MariaDB [constrain]>